

FIG. 1

CONVENTIONAL DESIGN PROCESS

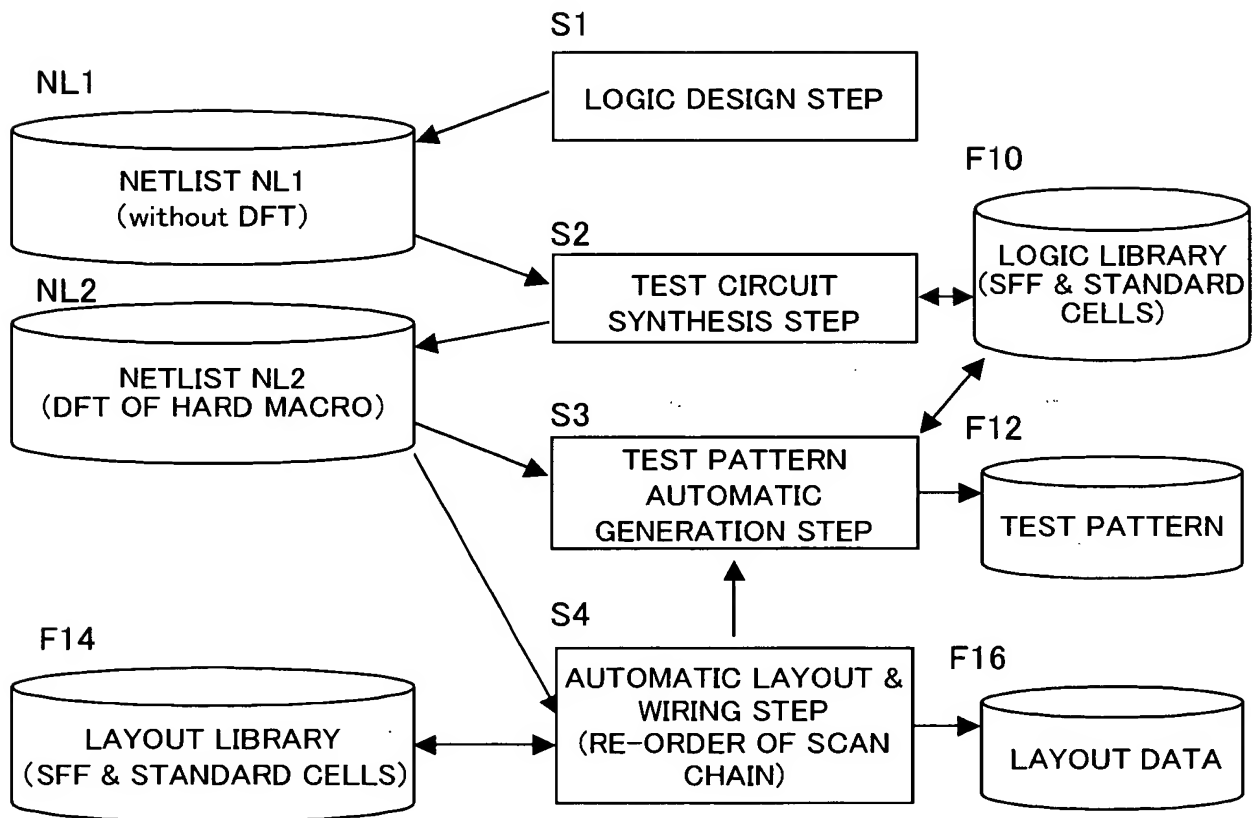


FIG. 2

COMPARATIVE EXAMPLE OF DESIGN PROCESS

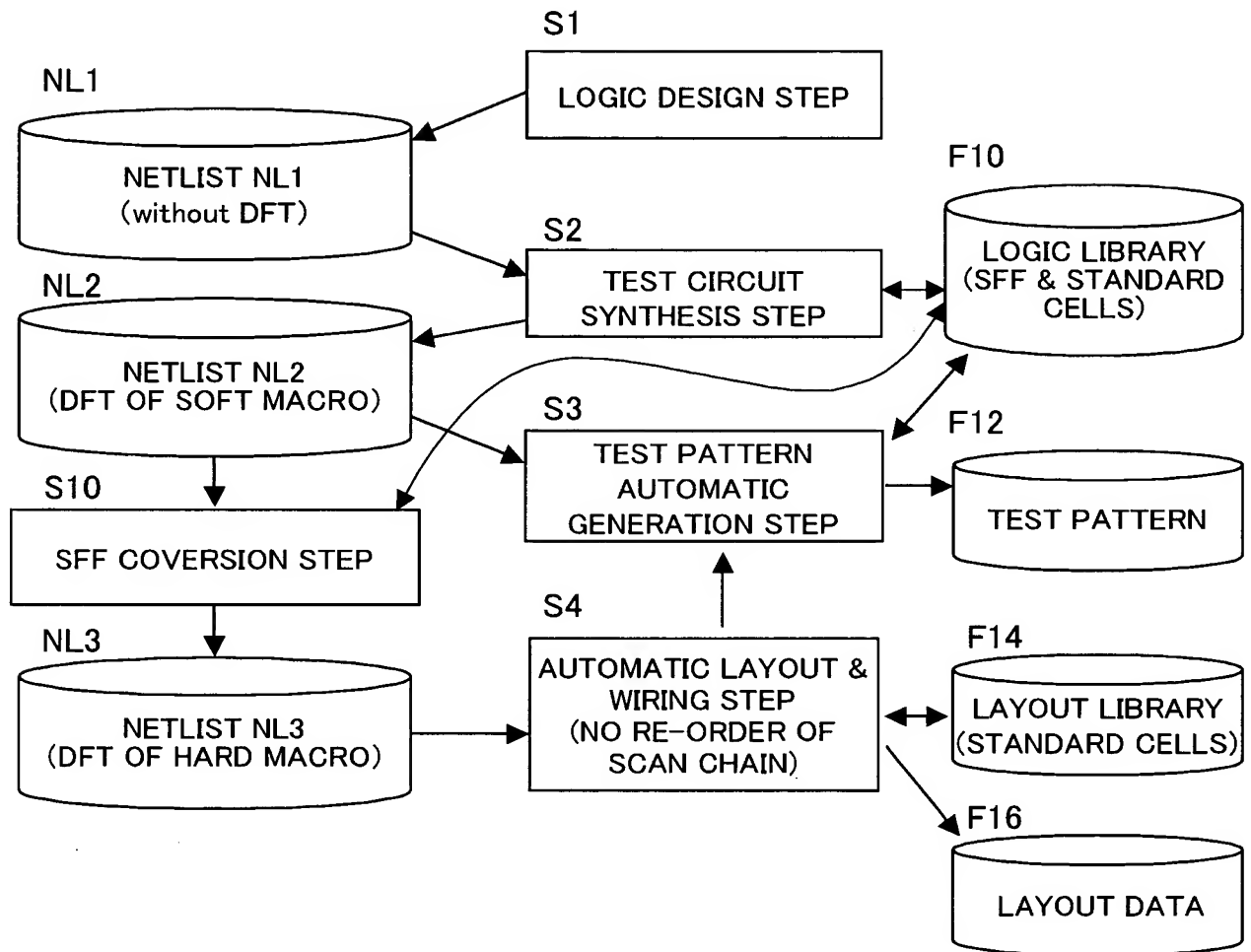


FIG. 3

SFF OF SOFT MACRO

SFF DEVELOPED AS STANDARD CELLS

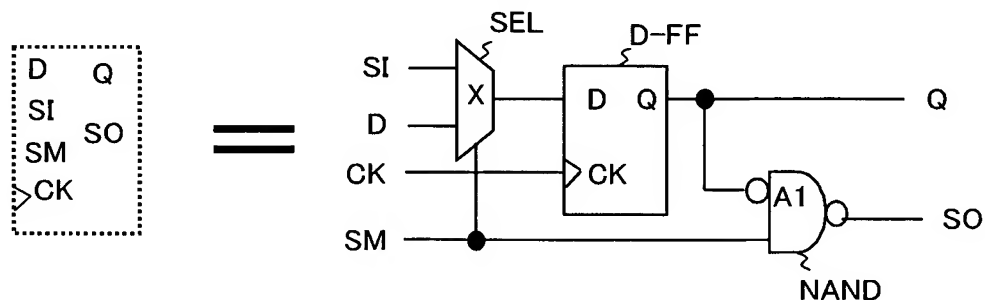


FIG. 4

DESIGN PROCESS OF EMBODIMENT

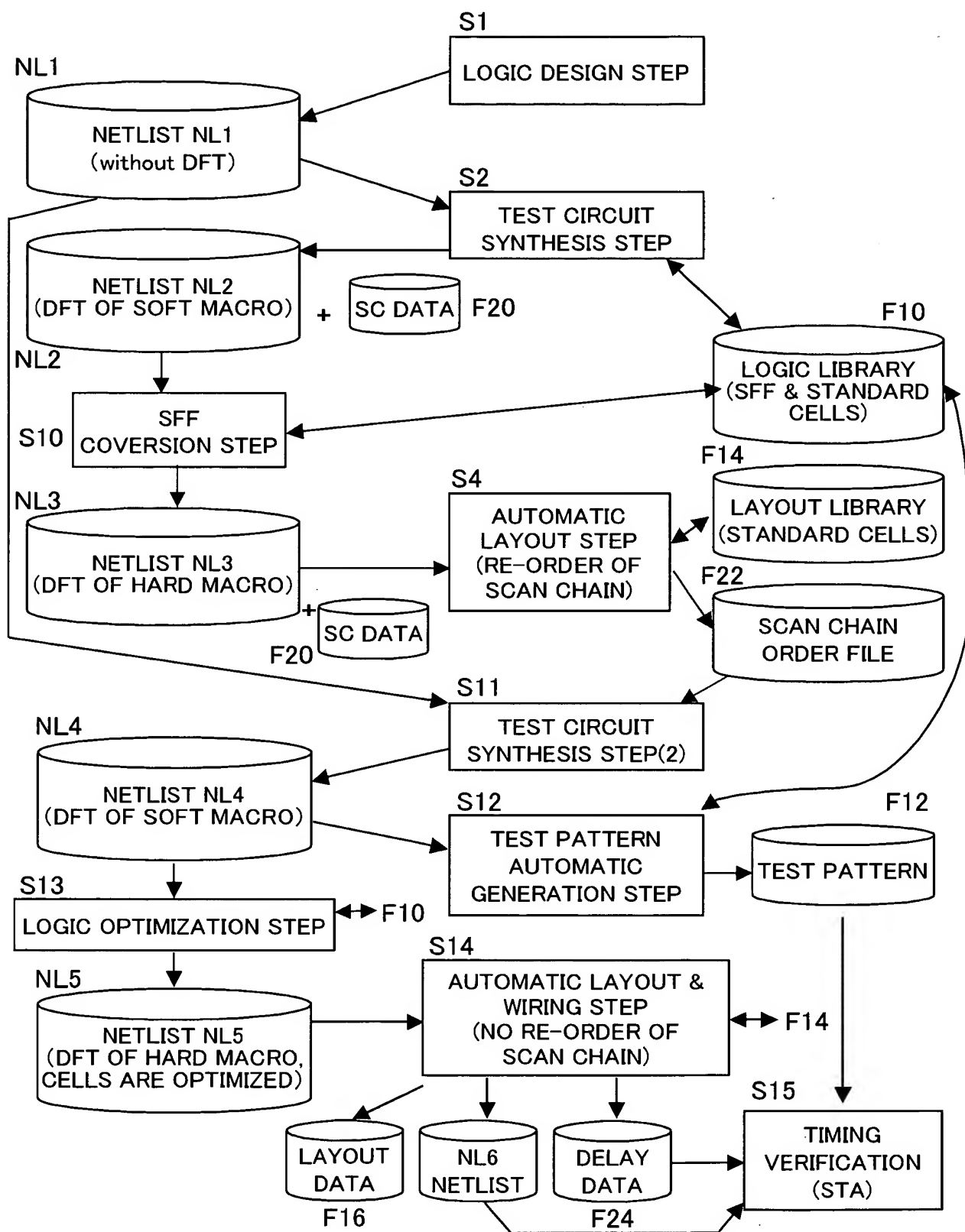


FIG. 5

NETLIST NL1

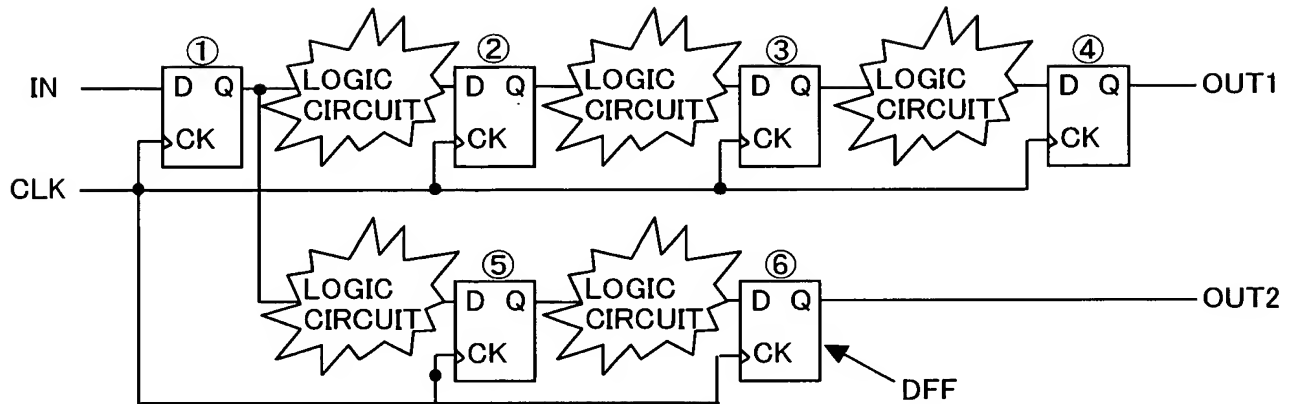


FIG. 6

NETLIST NL2

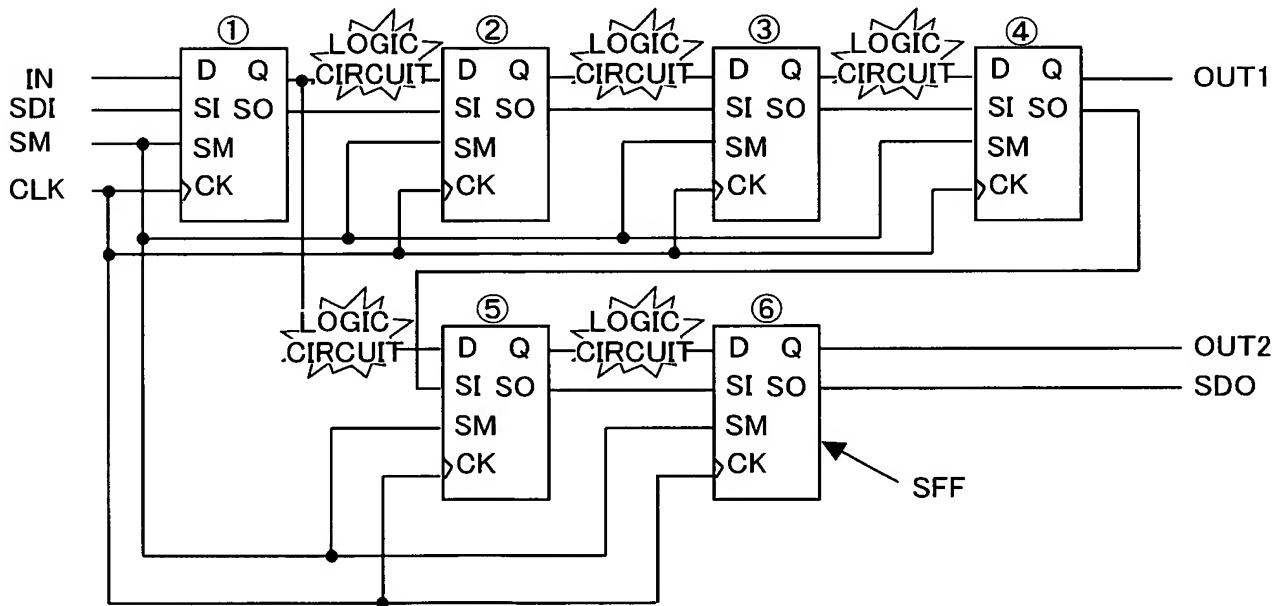


FIG. 7

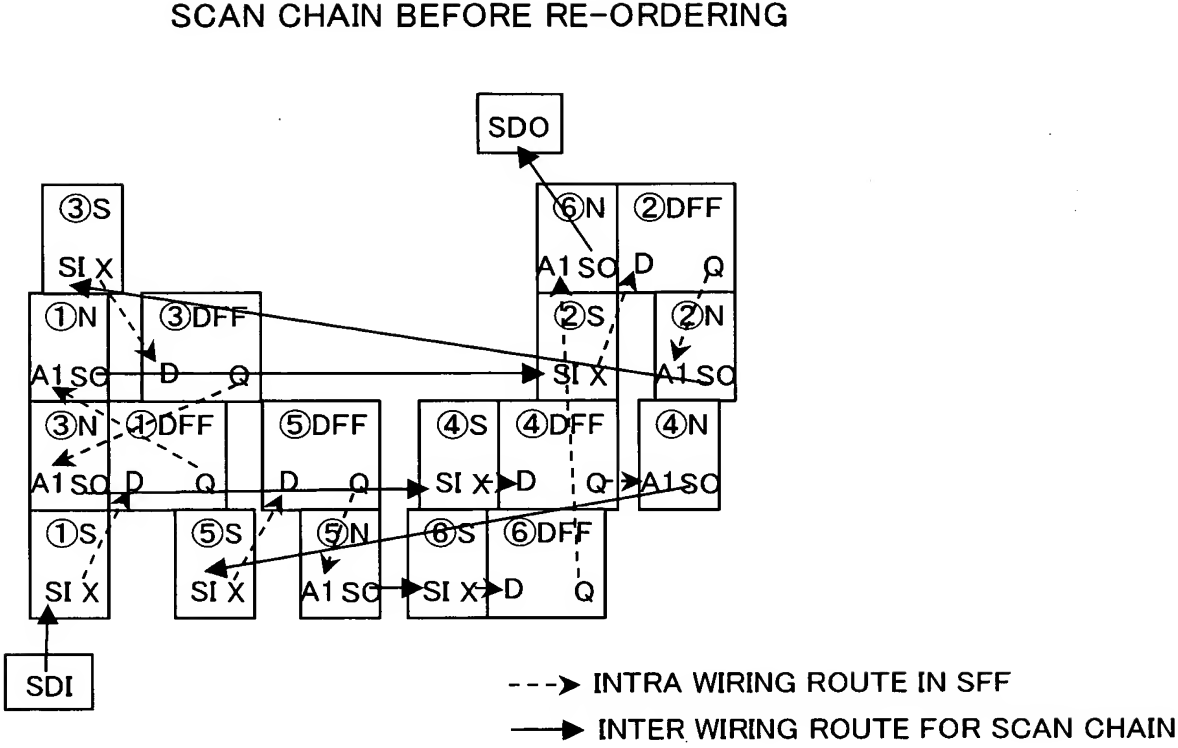


FIG. 8

SOFT MACRO SFF SFF DEVELOPED AS HARD MACROS

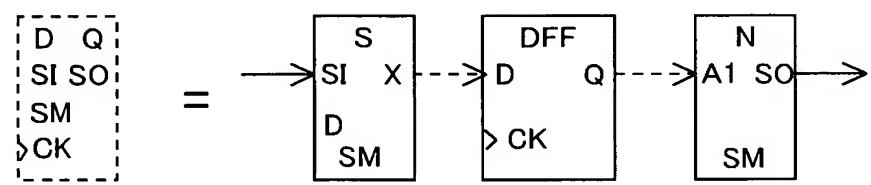


FIG. 9

SCAN CHAIN AFTER RE-ORDERING

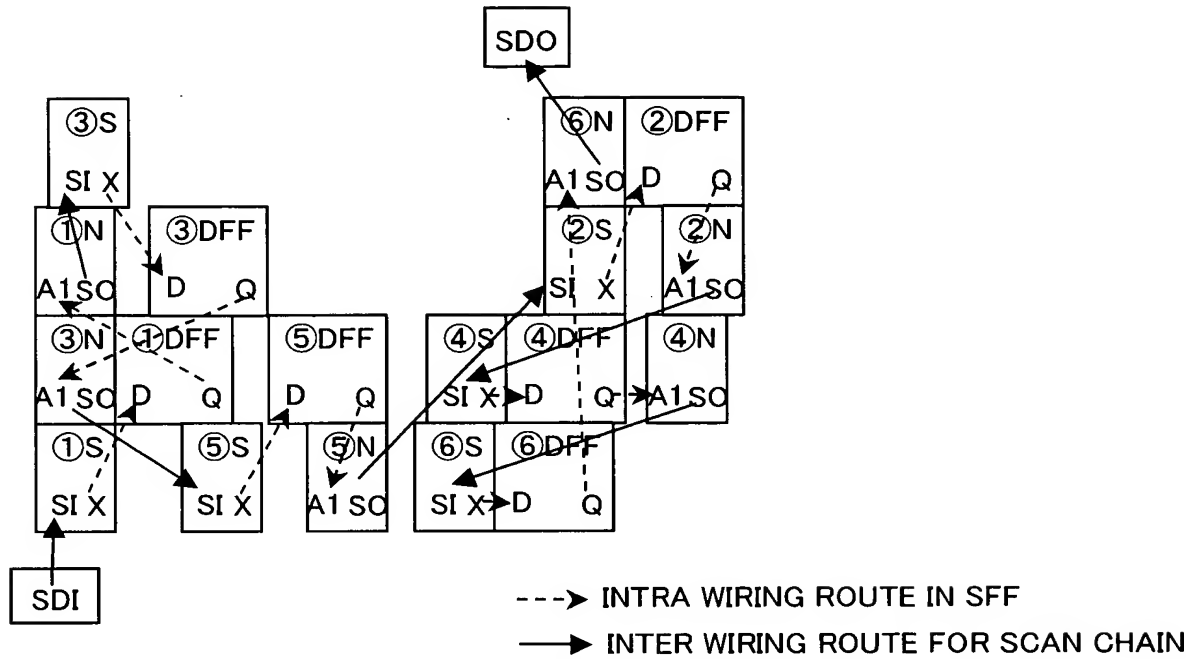


FIG. 10

